Project Development Concurrent Engineering Process ONE HEARING ONLY 10-11-02 Loc/Design Approval Development Phase Construction Phase PRELIM. FIELD COPING PRE-AD FIELD ISPECTION HEARING **NSPECTION** Authorize R/W Utility PE Certification Authorization DEIS DEA ROD VE Plan **FONSI** Final ROW Submission Constructability Notice to Review Funding Proceed Certification Traffic Data Traffic Data T&MP Scope Route Survey **Additional Survey Additional Survey** Additional Survey Add'l Svy. Initial Roadway Design Preliminary Roadway Design Roadway Design Final Roadway Design Con. Plans Hyd. Analysis Preliminary Hydraulic Design Hydraulic Design L&D **Final Retaining Structure Design (standard)** Pre. Retain. Struct. Design (std.) Sound Barrier included in Plans **Final Sound Barrier Specifications & Agreement** E&S Calc's Prelim. E&S Control Design E&S Control Design Final E&S Control Design Scour Analysis Bridge Hydraulic Analysis Sound Barrier Design Prelim Sound Barrier Design Scope **Environmental Permit Determination Environmental Permit Acquisition** Stream/Wetland Screening Stream/Wetland Compensation & Mitigation **Stream/Wetland Coordination ENV** Preliminary Landscape Design Landscape Design **Final Landscape Design** Hazardous Material Assesment/Mitigation **Hazardous Material Screening Hazardous Material Assessment** Final Environmental Document (FEA, FEIS) SERP **Environmental Document (CE)** Draft Environmental Document (DEA, DEIS) Preliminary Soil Report Scope Soil Invest. Soil Report **MAT Minor Structure Foundation Analysis & Report** Found Invest. Major Struct. Found. Anlaysis & Rpt Scope PFI Prep. Preliminary Bridge Design (T,S,L) Final Bridge Design Final Bridge Design S&B **Coast Guard Permit** Final Retaining Structure Design (special) Prelim. Ret. Struct. Design (special) MM Prelim. TCD/ITS Design **TCD/ITS Design** Final TCD/ITS Design Scope PFI Prep. Scope Right of Way Assess/Easements Right of Way Acquisition PFI Prep. R/W Preliminary R/W Activites **Right of Way Relocations** Scope In-Plan Utility Design PFI Prep. Utility Assessment/Easements UTL **Utility Agreements Utility Easement Acquisition Utility Relocations** Specifications Spec's Ad Prep **CONS** Stakeholders Input Input Input Input

Project Management Office

NOTE: Stakeholders include Programming Division, District Construction, District Asset Management, Resident Engineer, FHWA, Localities, etc